



Séminaire organisé par

**AIM & Le service d'Astrophysique
CEA/DSM/Irfu**



ATTENTION JOUR ET HEURE INHABITUELS

WINDS FROM YOUNG SUNS AND PROTOPLANETARY DISKS

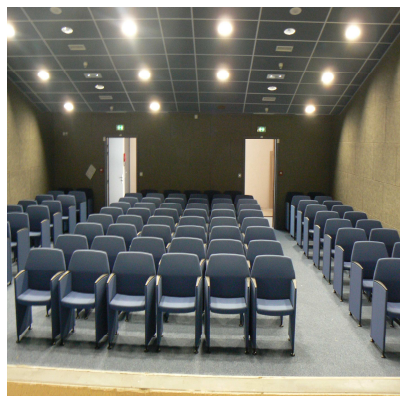
TAKERU K. SUZUKI

Department of Physics, Nagoya University

I would like to introduce some results of our MHD simulations for "perturbation-driven" winds. Convection and turbulence are ubiquitous in various astrophysical objects. Turbulent motion excites various modes of waves and they frequently excite flows. For example, the Sun and solar-type stars possess a surface convective layer, which excites MHD waves to accelerate solar and stellar winds. Turbulence in accretion disks plays a role in not only radial transport of angular momentum but also vertical outflows. In this talk, I plan to focus on the following two topics:
(i) Saturation of winds from very active young solar-type stars.
(ii) Protoplanetary disk winds and applications to the evolution of protoplanetary disks and the planet formation.

Lundi 7 décembre 2015

11h00 Salle Galilée bât 713 - Orme des Merisiers



Un café précèdera le séminaire

Pascale Chavegrand - secrétariat Irfu/SAP 01.69.08.78.27 chavegrand@cea.fr